

Thomas A Kotsopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

959
citations

516710

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552781

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docs citations

30
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of advances in valorization and post-treatment of anaerobic digestion liquid fraction effluent. <i>Waste Management and Research</i> , 2022, 40, 1093-1109.	3.9	11
2	Improvement of the Performance of an Earth to Air Heat Exchanger for Greenhouse Cooling by the Incorporation of Water Finned Tubes—A Theoretical Approach. <i>AgriEngineering</i> , 2022, 4, 190-206.	3.2	2
3	Ammonia-induced inhibition of manure-based continuous biomethanation process under different organic loading rates and associated microbial community dynamics. <i>Bioresource Technology</i> , 2021, 320, 124323.	9.6	25
4	Estimation of Energy Recovery Potential from Primary Residues of Four Municipal Wastewater Treatment Plants. <i>Sustainability</i> , 2021, 13, 7198.	3.2	12
5	The Effect of Ammonia Toxicity on Methane Production of a Full-Scale Biogas Plant—An Estimation Method. <i>Energies</i> , 2021, 14, 5031.	3.1	10
6	Effects of organic loading rate and hydraulic retention time on bioaugmentation performance to tackle ammonia inhibition in anaerobic digestion. <i>Bioresource Technology</i> , 2021, 334, 125246.	9.6	20
7	Energy and environmental analysis of an innovative greenhouse structure towards frost prevention and heating needs conservation. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 40, 100750.	2.7	4
8	Microbial adaptation to high ammonia concentrations during anaerobic digestion of manure-based feedstock: biomethanation and 16S rRNA gene sequencing. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1970-1979.	3.2	20
9	Passive cooling systems in livestock buildings towards energy saving: A critical review. <i>Energy and Buildings</i> , 2019, 202, 109368.	6.7	31
10	Dynamic computer-aided approximation of airflow around and inside an agricultural structure. <i>Science and Technology for the Built Environment</i> , 2017, 23, 382-390.	1.7	1
11	Start-up and steady-state results of a UASB reactor treating high pH baker's yeast molasses wastewater for methane production. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 775-780.	3.2	10
12	Potentials of biomass production in the region of Central Macedonia in Northern Greece. <i>International Journal of Sustainable Agricultural Management and Informatics</i> , 2017, 3, 258.	0.2	0
13	Advanced phosphorus recovery using a novel SBR system with granular sludge in simultaneous nitrification, denitrification and phosphorus removal process. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4367-4374.	3.6	28
14	Effect of ultrasonic and ozonation pretreatment on methane production potential of raw molasses wastewater. <i>Renewable Energy</i> , 2016, 96, 1078-1085.	8.9	35
15	Development of an anaerobic co-metabolic model for degradation of phenol, m-cresol and easily degradable substrate. <i>Biochemical Engineering Journal</i> , 2016, 106, 19-25.	3.6	21
16	Mathematical modeling of upflow anaerobic sludge blanket (UASB) reactors: Simultaneous accounting for hydrodynamics and bio-dynamics. <i>Chemical Engineering Science</i> , 2015, 137, 677-684.	3.8	28
17	Performance evaluation of a hybrid solar heating system for farrowing houses. <i>Energy and Buildings</i> , 2015, 97, 162-174.	6.7	18
18	Effect of energy saving solar sleeves on characteristics of hydroponic tomatoes grown in a greenhouse. <i>Scientia Horticulturae</i> , 2015, 194, 126-133.	3.6	17

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19	Effect of feedstock composition and organic loading rate during the mesophilic co-digestion of olive mill wastewater and swine manure. <i>Renewable Energy</i> , 2014, 69, 202-207.	8.9	60
20	Inoculum and zeolite synergistic effect on anaerobic digestion of poultry manure. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1219-1225.	2.2	33
21	Anaerobic co-digestion of cattle manure and alternative crops for the substitution of maize in South Europe. <i>Bioresource Technology</i> , 2014, 172, 68-75.	9.6	55
22	Zeolite and swine inoculum effect on poultry manure bimethanation. <i>International Agrophysics</i> , 2013, 27, 169-173.	1.7	25
23	Effect of ammonium and acetate on methanogenic pathway and methanogenic community composition. <i>FEMS Microbiology Ecology</i> , 2013, 83, 38-48.	2.7	204
24	Calculated external pressure coefficients on livestock buildings and comparison with Eurocode 1. <i>Wind and Structures, an International Journal</i> , 2012, 15, 481-494.	0.8	11
25	Biohydrogen production from pig slurry in a CSTR reactor system with mixed cultures under hyper-thermophilic temperature (70 Å°C). <i>Biomass and Bioenergy</i> , 2009, 33, 1168-1174.	5.7	78
26	The impact of different natural zeolite concentrations on the methane production in thermophilic anaerobic digestion of pig waste. <i>Biosystems Engineering</i> , 2008, 99, 105-111.	4.3	56
27	Biohydrogen production in granular up-flow anaerobic sludge blanket (UASB) reactors with mixed cultures under hyper-thermophilic temperature (70Å°C). <i>Biotechnology and Bioengineering</i> , 2006, 94, 296-302.	3.3	140
28	Application of urban passive cooling systems and design techniques in livestock buildings. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 410, 012029.	0.3	3
29	Renewable energy sources: prospects and technologies. , 0, , 1-4.		1
30	Agricultural uses in a greenhouse structure with an integrated solar desalination system on the roof. , 0, , 1-23.		0